

```
01 LBL "RI" ;PPC ROM Integrate Program
02 LBL B      ;by Read Predmore (5184)
03 4
04 ST/ Z
05 /
06 STO 07
07 X<>Y
08 ST- 07
09 +
10 ST+ X
11 STO 08
12 XEQ IND 24
13 STO 06
14 RCL 07
15 *
16 3
17 *
18 VIEW X
19 STO 14
20 1.01
21 STO 11
22 1
23 STO 13
24 LBL 05
25 RCL 13
26 1/X
27 STO 12
28 RCL 13
29 2
30 /
31 LBL 06
32 ENTER
33 STO 09
34 X^2
35 1
36 X<>Y
37 -
38 STO 10
39 2
40 +
41 *
42 RCL 07
43 *
44 RCL 08
45 +
46 XEQ IND 24
47 RCL 10
48 *
49 ST+ 06
50 RCL 09
51 CHS
52 RCL 10
53 2
54 +
55 *
56 RCL 07
57 *
58 RCL 08
59 +
60 XEQ IND 24
61 RCL 10
62 *
63 ST+ 06
64 RCL 13
65 RCL 09
66 +
67 DSE 12
```

```

68 GTO 06
69 2
70 ST/ 13
71 RCL 11
72 INT
73 STO 12
74 14
75 STO 09
76 1
77 RCL 06
78 RCL 07
79 *
80 3
81 *
82 RCL 13
83 *
84 LBL 07
85 X<>Y
86 4
87 *
88 STO Z
89 X<>Y
90 *
91 LASTX
92 X<> IND 09
93 STO T
94 -
95 RCL Y
96 DSE X
97 /
98 ISG 09
99 STOP
100 DSE 12
101 GTO 07
102 VIEW X
103 STO IND 09
104 RND
105 RCL T
106 RND
107 X=Y?
108 RTN
109 ISG 11
110 GTO 05
111 RTN
112 LBL "S" ;PPC ROM Solve by Newton's Secant Method
113 LBL C ;by John Kennedy (918) Graeme Dennes (1757)
114 STO 07
115 1
116 %
117 STO 09
118 CLST
119 LBL 03
120 RCL Z
121 STO 08
122 RCL 07
123 FS? 10
124 VIEW X
125 XEQ IND 06
126 ST* 09
127 ST- 08
128 RCL 09
129 RCL 08
130 X#0?
131 /
132 ST+ 07
133 STO 09
134 RCL 07
135 X#0?
136 /
137 ABS

```

```

138 1 E-8
139 X<=Y?
140 GTO 03
141 RCL 07
142 RTN
143 LBL "FD" ;PPC ROM First Derivative of a Function
144 LBL D ;by Richard Schwartz (2289) John Kennedy (918)
145 STO 07
146 RCL 08
147 +
148 XEQ IND 06
149 ST+ X
150 STO 09
151 RCL 07
152 RCL 08
153 ST+ X
154 +
155 XEQ IND 06
156 ST- 09
157 9
158 ST* 09
159 RCL 07
160 XEQ IND 06
161 11
162 *
163 ST- 09
164 RCL 07
165 RCL 08
166 3
167 *
168 +
169 XEQ IND 06
170 ST+ X
171 RCL 09
172 +
173 RCL 08
174 6
175 *
176 /
177 RTN
178 END

```

```

00F8C000F3005249CF67149571433771930740927338AE9836
2742134298733E111A10113B113D062D603C2D124307833951
1171413A12404227422840AE982A42920629542A1240422742
2840AE982A4292062D2940970CB70012950D2B683C11143911
26274213422D42087114429171714276CE8991704190729773
43960984970CB800987391896E90706E7885960BB60085C000
F20053CF6837114C39730490713827AC0A9873AE8694099308
2928634392073927634361111B1C1846B4002785C000F30046
44CF69372840AE869273392728927340AE86930919940927AE
8611114293092728134240AE86927329402816424385C0000D
66

```

248 BYTES

# HP-41C PPC ROM Integrate/Solve by Various Authors PPC V7 N9 P13 Nov 1980

Program Registers Needed: 36

Row 1 (1 - 6)



Row 2 (7 - 16)



Row 3 (17 - 25)



Row 4 (26 - 38)



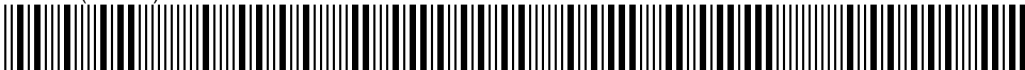
Row 5 (39 - 49)



Row 6 (50 - 61)



Row 7 (62 - 70)



Row 8 (71 - 82)



Row 9 (83 - 93)



Row 10 (93 - 101)



Row 11 (101 - 109)



Row 12 (110 - 116)



Row 13 (117 - 125)



Row 14 (126 - 135)



Row 15 (136 - 143)



Row 16 (143 - 149)



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Row 17 (150 - 158)



Row 18 (159 - 168)



Row 19 (169 - 178)



Row 20 ( 178 )

